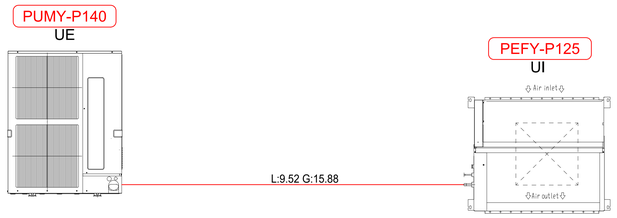
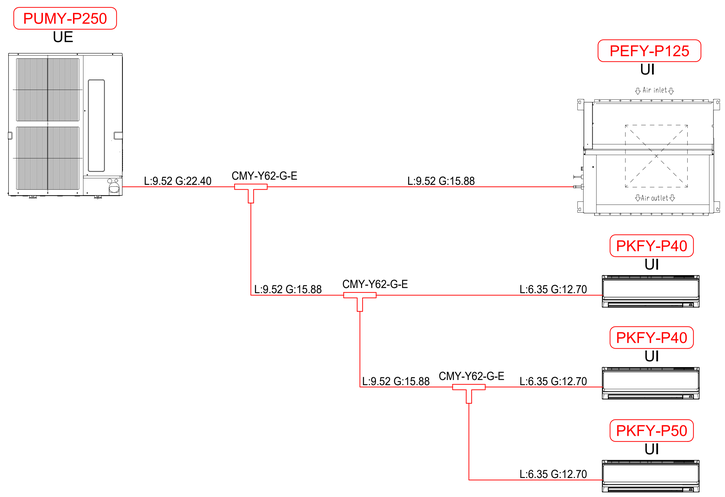
CONFIGURAZIONE TIPO - EDIFICIO 2.A TYPICAL CONFIGURATION - BUILDING 2.A
CONFIGURAZIONE TIPO - EDIFICIO 2.B TYPICAL CONFIGURATION - BUILDING 2.B



CONFIGURAZIONE TIPO - EDIFICIO 1.A TYPICAL CONFIGURATION - BUILDING 1.A
CONFIGURAZIONE TIPO - EDIFICIO 1.B TYPICAL CONFIGURATION - BUILDING 1.B



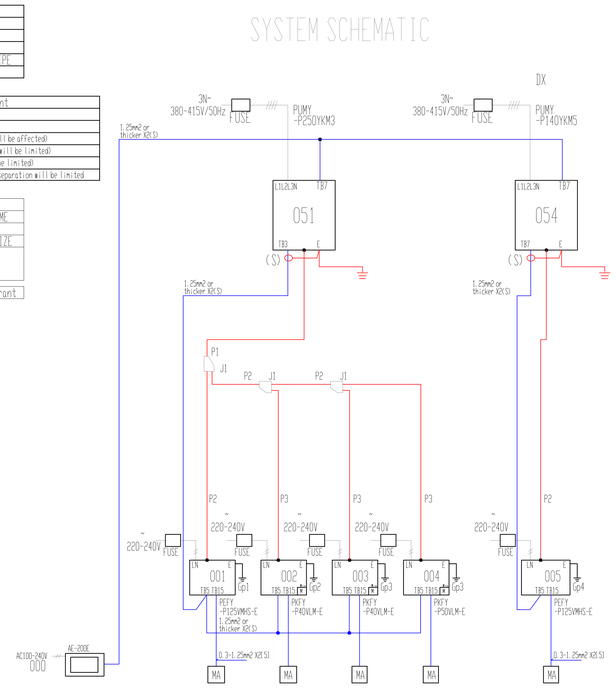
CONFIGURAZIONE TIPO
TYPICAL CONFIGURATION

DIAGRAM SYMBOL LEGEND	
DISPLAY	DESCRIPTION
# ###	POWER WIRE
———	CONTROL WIRE
— — —	REF. PIPE / WATER PIPE
##	POWER SIGNAL WIRE

The symbol of replace judgment	
Symbol	Definition
#1	Standard
#2	Usable (Unit performance will be affected)
#3	Usable (Refrigerant charge will be limited)
#4	Usable (Piping lenght will be limited)
#5	Piping lenght and vertical separation will be limited

PIPING LIST	
SYMBOL	BRANCH PIPE MODEL NAME
	CMY-Y62-G-E
SYMBOL	LIQUID PIPE/GAS PIPE SIZE
P1	9.52/22.40
P2	9.52/15.88
P3	6.35/12.7

Address Additional Refrigerant

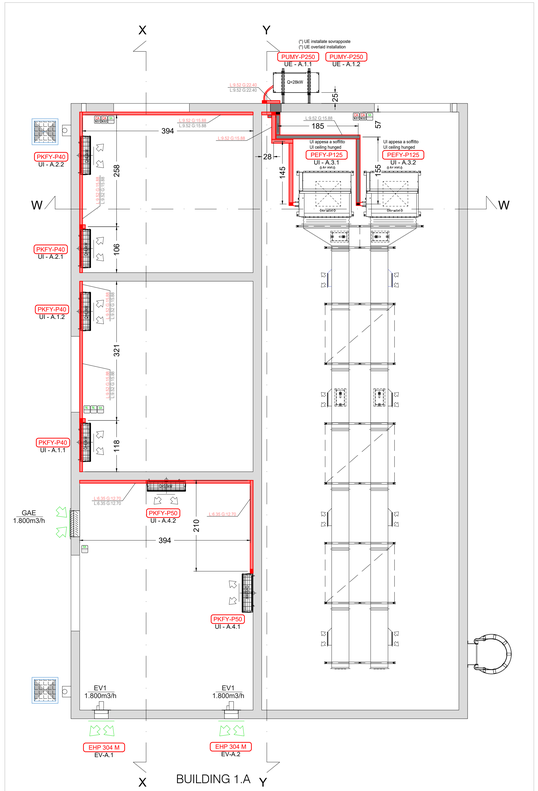


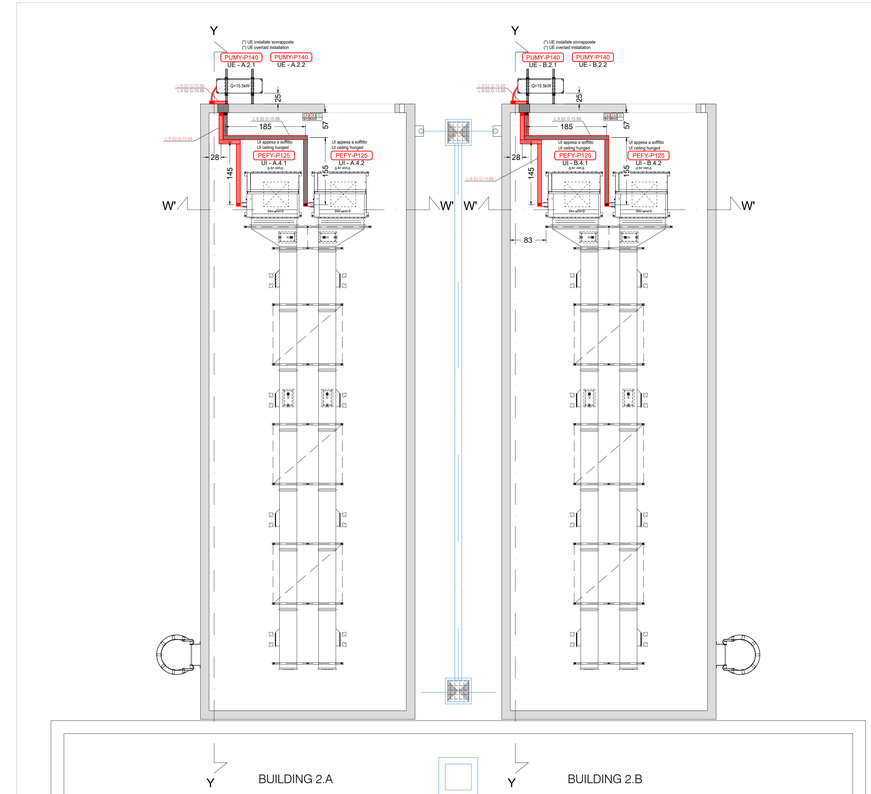
LEGENDA

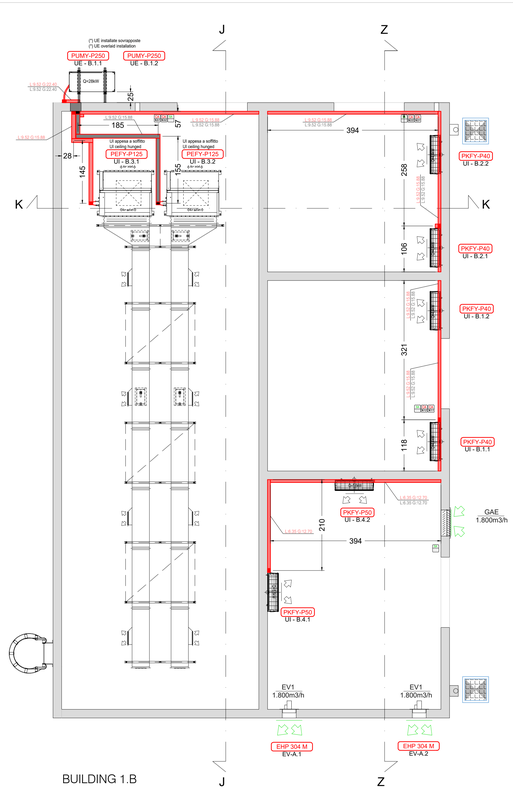
	CANALI MANDATA ARIA CLIMATIZZAZIONE	Air conditioning supply ducts
	TUBAZIONI IN RAME ISOLATO LIQUIDO E GAS FREON in CANALINA lavorabile fissata a parete/soffitto	Freon liquid and gas pipeline isulated in TRAY anchored on the wall/ceiling
	TUBAZIONI IN PE INSTALLAZIONE A VISTA RACCOLTA CONDENSA	PE piping visible installation for condensate drainage
	TUBAZIONI IN PE INSTALLAZIONE SOTTO TERRA RACCOLTA CONDENSA	PE piping underground installation for condensate drainage
	MONTANTE IN ACCIAIO ZINCATO RACCOLTA CONDENSA	Galvanized steel column for condensate drainage
	BOCCHETTE DI MANDATA INSTALLAZIONE A CANALE Completa di serranda di regolazione - Mt. D = 300 m3/h, dimensioni 300x100mm	Supply air grid installation on duct With regulation damper - Mt. D = 300 m3/h, dimension 300x100mm
	BOTOLA D'ISPEZIONE Completa di maniglia - A.D.1, dimensioni 330x185mm	INSPECTION DOOR Handle included - A.D.1, dimensions 330x185mm
GAE 1.800m3/h	GRIGLIA DI PRESA ARIA ESTERNA IN ACCIAIO Completa di serranda di sovrapressione e filtro antipolline - Q = 1.800 m3/h, dimension 600x600mm	STEEL EXTERNAL AIR GRID with overpressure damper and pollen filter - Q = 1.800 m3/h, dimension 600x600mm
EHP 304 M EV-A.2	VENTILATORE ELICOIDALE PER ESTRAZIONE ARIA, diam. 250mm Installazione a parete con controllo velocità - Q = 1.800 m3/h, H = 36 Pa, Pe = 125 W	Helicoidal fan for air extraction, diam. 250mm In wall installation with speed control - Q = 1.800 m3/h, H = 36 Pa, Pe = 125 W
PUMY-P140 UE - A.B2.x	UNITA' ESTERNA MOTOCONDENSANTE tipo PUMY-P140YKM5 Pf = 13,5 kW, Pr = 12,1 kW, Pe = 3,77 kW dimensioni HxWxD 1338x1050x330 mm	Outdoor condensing unit, type PUMY-P140YKM5 Pf = 13,5 kW, Pr = 8,8 kW, Pe = 3,77 kW dimensions HxWxD 1338x1050x330 mm
PUMY-P250 UE - A.B1.x	UNITA' ESTERNA MOTOCONDENSANTE tipo PUMY-P250YKM3 Pf = 28,0 kW, Pr = 13,56 kW, Pe = 8,21 kW dimensioni HxWxD 1842x1050x460 mm	Outdoor condensing unit, type PUMY-P250YKM3 Pf = 28,0 kW, Pr = 13,56 kW, Pe = 8,21 kW dimensions HxWxD 1842x1050x460 mm
PEFY-P125 UI - A.B.x.x	UNITA' INTERNA CANALIZZABILE tipo PEFY-P125VMHS-E Pf = 13,7 kW, Pr = 8,6 kW, Pe = 220 W dimensioni HxWxD 300x1100x800 mm, con pompa condensa	Ductable indoor unit, type PEFY-P125VMHS-E Pf = 13,7 kW, Pr = 8,6 kW, Pe = 220 W dimensions HxWxD 300x1100x800 mm, with condensate pump
PKFY-P40 UI - A/B.x.x	UNITA' INTERNA A PARETE tipo PKFY-P40VLM-E Pf = 4,4 kW, Pr = 4,12 kW, Pe = 50 W	UNITA' INTERNA A PARETE tipo PKFY-P40VLM-E Pf = 4,4 kW, Pr = 4,12 kW, Pe = 50 W	Wall-mounted indoor unit, type PKFY-P40VLM-E Pf = 5,6 kW, Pr = 5,32 kW, Pe = 50 W	Wall-mounted indoor unit, type PKFY-P50VLM-E Pf = 5,6 kW, Pr = 5,32 kW, Pe = 50 W
PKFY-P50 UI - A/B.x.x	dimensioni HxWxD 290x960x237 mm	dimensioni HxWxD 290x960x237 mm	dimensions HxWxD 290x960x237 mm	dimensions HxWxD 290x960x237 mm
RT	REGOLATORE AMBIENTE UNITA' INTERNA		Room controller	
SW	GONGA DI MONITORAGGIO TEMPERATURA E UMIDITA'		Monitoring probe for temperature and humidity	

NOTE:
1) IL DIMENSIONAMENTO DELLE LINEE FREON E' A CARICO DEL FORNITORE DEL SISTEMA VRV
1) SIZING OF FREON LINES IS THE RESPONSIBILITY THE VRV SYSTEM SUPPLIER

RIFERIMENTI:
EQUIPMENT E CONDOTTE VEDERE I DOC MEC-PL-215-1 E MEC-PL-215-2
LINEE FREON VEDERE I DOC MEC-PL-215-3 E MEC-PL-215-4
LINEE DI RACCOLTA CONDENSE VEDERE I DOC MEC-PL-215-5 E MEC-PL-215-6
SUPPORTI VEDERE I DOC MEC-PL-215-7 E MEC-PL-215-8
DETTAGLI VEDERE I DOC MEC-PL-215-9
EQUIPMENT AND DUCT SEE DOC. MEC-PL-215-1 E MEC-PL-215-2
REFRIGERANT PIPES SEE DOC. MEC-PL-215-3 E MEC-PL-215-4
DRAWING PIPES SEE DOC. MEC-PL-215-5 E MEC-PL-215-6
SUPPORTS SEE DOC. MEC-PL-215-7 E MEC-PL-215-8
DETAILS SEE DOC. MEC-PL-215-9







PLANIMETRIA HVAC TUBAZIONI REFRIGERANTI - LATO A - SCALA 1: 50
HVAC REFRIGERANT PIPES LAYOUT - SIDE A - SCALE 1: 50

PLANIMETRIA HVAC TUBAZIONI REFRIGERANTI - LATO B - SCALA 1: 50
HVAC REFRIGERANT PIPES LAYOUT - SIDE B - SCALE 1: 50

REVISION	N.	DATE	DESCRIPTION	ELABORATED	VERIFIED	APPROVED
	01	19/08/2024	Second issue - ESS plant project	Idea Digital Solution	Engie	Engie
	00	15/07/2024	First issue - ESS plant project	Idea Digital Solution	Engie	Engie

DESIGNER	PROJECT
Idea Digital Solution S.r.l. Milano Via Larga, 6 - 20122 Milano (MI) E-mail: *ideads@ideagroup.biz*	RTN CONNECTION PROJECT SSE TECHNOLOGICAL INSTALLATIONS PROJECT WS5 SHOP DRAWINGS

CLIENT

Hines COMPASS datacenters

CODE	DRAW
MEC-PL-215_3	HVAC REFRIGERANT PIPES LAYOUT - Plan view
DATE	**SCALE** / **LOCATION**
August 2024	METROPOLITAN CITY OF MILAN MUNICIPALITY OF NOVIGLIO

PROJECT LEVEL	DRAWING CODING
WS5 SHOP DRAWINGS	MEC-PL-215_3 - HVAC Refrigerant Pipes Layout - Plan view

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